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With only a couple of minor exceptions temperatures were above normal* throughout Nevada during September. On the other hand, only parts of Southern Nevada and the Northeastern portion of the State had above normal precipitation. In Ely the 3.73" catch made September 1984 the wettest month since records began there in 1938. At Boulder City this September, with 3.12", completed the wettest three consecutive months on record there, for a 3 month total (July-September) of 10.18", or almost twice the annual average!

TEMPERATURE

Temperatures during September averaged a little above normal in all but the eastern portion of South Central Nevada (Caliente -1.0°F) and in the western portion of Northeast Nevada (Battle Mountain -0.8°F). At Lovelock temperatures averaged 1.8° below normal. However, this was probably an anomaly created by the large amount of water left in the Humboldt Sink after last Spring's record floods inundated and closed the Lovelock weather station for over 3 months. On the plus side, the largest mercury departures from normal were at Hawthorne (+4.1°F) and Tonopah (+2.3°F) in South Central Nevada, and Reno (+2.9°F) and Yerington (+2.8°F) in the Northwest.

Readings of 100 degrees or higher were measured only below the 3500 foot elevation in Southern Nevada, with the 113° reading at 680' Laughlin in the extreme south on the Colorado River, the State's high this month. With days averaging 104° and nights about 71° at Laughlin, the nearby river must have been a popular place. Other than the South the warmest temperatures were at Fallon NAS (97°), Tonopah (95°), and Reno Airport (94°). Daggett Pass (7380') and Glenbrook in the Tahoe Basin could only reach 82° for the "coolest highs" during September. At the other end of the scale, preliminary data indicates that Winnemucca, Battle Mountain, and Ely all recorded 19° late in the month for September 1984's coldest AM.

PRECIPITATION

As has been the case for several months, portions of Southern and Eastern Nevada were very wet again this month, with the 3.73" total at Ely the State's wettest, and the wettest at that city for any month since records began in 1938. The previous wettest month was June 1963 when 3.53" fell. The 3 month July - September total there is 7.85", nearly the average annual amount. Boulder City in the South has been even wetter, with the July - September total of 10.18" almost twice the annual average! (July = 1.98", August = 5.08", September = 3.12"). Most of the Boulder City's total (2.63") occurred in one 24 hour period, ending at 4 PM on the 10th. On the dry side, the Lake Tahoe

*Normals based on 1951-80 period.

Basin in the Northwest, has been very dry during the past three months. For example, at Glenbrook, only about 1/3 the average of 1.40" fell from June - September (.30" July, .10" August, .04" September).

SUNSHINE AND WIND

Sunshine was a little above normal in Nevada during September with Reno and Las Vegas both averaging 93% of the possible amount (average is 92% at both sites) the highest, while Ely at 83% was exactly average, and the low for the State. Winnemucca had 87% of the possible sun, almost 3% over normal.

Wind speeds were near normal for the month in all but the extreme western portion of Northwestern Nevada, where Reno averaged 5 1/2 mph, about 2 mph lower than normal.

SEVERE WEATHER - Very little happened during this Summer-Fall transition month.

September 10th - Heavy rain, flash flooding - Clark County

Moisture from dying tropical storm Marie combined with daytime heating to cause a severe thunderstorm outbreak in Southern Nevada. This resulted in heavy rain (up to 3.25" in 1/2 hour near Boulder City), which caused flash floods that resulted in millions of dollars of property damage, inundating many streets, washing out roads and highways, and also resulting in the deaths of 5 persons, as a family was drowned as they were trying to drive across a usually dry wash on Highway 160 west of Las Vegas.

September 10th - Heavy rain, flash flooding - White Pine County

The same thunderstorm system that affected Clark County caused heavy rain (up to 1.63" in 2 hours at Ely), and resulted in minor street and highway flooding.

John W. James
State Climatologist for Nevada

SEPTEMBER

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LOCATION	ELEV.	MAX MEAN	MIN MEAN	MO. MEAN	DEPART	MAX	MIN	PRECIP	AVERAGE	DEPART
<u>Northwest</u>										
Carson City	4650'	81.6	45.2	61.3	+0.3	8th 92	25th 24	.07	.38	-.31
Daggett Pass	7380	71.2	45.2	58.2	-	8th 82	25th 28	.21	-	-
Fallon NAS	3935	83.7	50.1	67.1	-	5th, 10th, 18th 97	25th 29	.34	-	-
Glenbrook	6400	72.9	46.4	59.7	+2.0	8th, 9th 82	25th 31	.10	.54	-.44
Incline	6525	75.7	47.0	61.3	+1.9	8th 85	25th 32	.40	.58	-.18
Lovelock	3900	80.7	44.4	62.5	-1.8	17th, 18th 92	25th 29	.06	.35	-.29
Pyramid Lake	3880	78.0	53.1	64.7	-	10th 92	24th 38	.94	-	-
Reno AP	4410	82.1	44.1	63.1	+2.9	9th 94	25th 32	.04	.30	-.26
Reno UNR	4550	80.5	46.3	63.4	-	9th 92	25th 30	.09	-	-
Virginia City	6340	75.8	50.2	63.0	+1.3	9th 87	26th, 27th 32	.19	.93	-.74
Winnemucca	4305	81.2	39.3	60.2	+0.6	4th, 18th 93	25th 19	.19	.34	-.15
Yerington	4375	82.7	47.8	65.2	+2.8	9th 93	25th 31	.07	.30	-.23

September 1984 (Continued)

LOCATION	ELEV	MAX MEAN	MIN MEAN	MO. MEAN	DEPART	MAX	MIN	PRECIP	AVERAGE	DEPART
<u>Northeast</u>										
Austin	6605	77.2	46.7	60.6	0	87	24th, 25th 29	.90	.69	+2.1
Battle Mountain	4350	81.0	38.1	59.5	-0.8	4th 92	26th 19	.10	.46	-.36
Elko	5135	80.2	40.8	60.5	+2.1	92	3rd, 4th, 17th 25th 22	.11	.47	-.36
Ely	6260	76.4	41.0	58.7	+2.0	86	4th, 9th, 10th 25th 19	3.73	.70	+3.03
<u>South Central</u>										
Caliente	4865	84.0	45.4	64.7	-1.0	92	4th, 5th 25th 35	.10	.63	-.53
Hawthorne	4215	84.8	54.4	69.6	+4.1	95	5th, 9th 25th 34	.03	.30	-.27
Tonopah	5425	81.2	50.5	65.9	+2.3	90	6th, 9th 25th 33	.59	.48	+1.1
<u>Southern</u>										
Boulder City	2525	93.9	69.6	81.7	+1.1	102	4th, 5th 10th 57	3.12	.50	+2.62
Las Vegas	2170	94.4	69.3	81.9	+1.8	105	4th, 5th 26th 61	.47	.32	+1.15
Laughlin	680	104.2	70.7	87.4	-	113	5th 30th 62	.03	-	-
Logandale	1320	99.1	64.9	82.0	-	105	19th 28th 54	.10	-	-
Searchlight	3540					102	19th 25th 55	.18	.69	-.51